

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A method ~~Method~~ of making the execution of a computer program secure, the method ~~being~~ characterized ~~in that it includes~~ comprising:

a processor performing:

- a step of stacking a predetermined value in an instruction stack of the program; said predetermined value being an address of an anomaly processing function,

- during the normal execution of the program, a step of removing said predetermined value from the instruction stack, without executing the anomaly processing function; and

- a step of unstacking said stack ~~adapted, where appropriate, to detect an execution wherein~~ if said predetermined value is unstacked, the anomaly processing function is executed.

2. (currently amended) The method ~~Method~~ according to claim 1, ~~characterized in that~~ wherein said stacking and unstacking steps are respectively associated with elements of at least one subset of instructions of said program.

3. (currently amended) The method ~~Method~~ according to claim 2, ~~characterized in that~~ wherein said elements are respectively an opening bracket and a closing bracket in a system of brackets.

4. (currently amended) The method ~~Method~~ according to claim 2, ~~characterized in that~~ wherein said unstacking step is associated with a return instruction of said program or a subroutine of said program.

5. (currently amended) The method ~~Method~~ according to claim 1, ~~characterized in that~~ wherein said program is written in a programming language including at least one of a first instruction whose execution implements said stacking step and ~~for~~ a second instruction whose execution implements said unstacking step.

6. (currently amended) The method ~~Method~~ according to claim 5, ~~characterized in that~~ wherein the second instruction terminates said program or a subroutine of said program.

7. (currently amended) The method ~~Method~~ according to claim 1, ~~characterized in that~~ wherein said predetermined value is representative of a subset of critical instructions of said program.

8. (currently amended) The method ~~A method~~ according to claim 1, ~~characterized in that it includes~~ further comprising:
an anomaly processing step executed if, during said unstacking step, a value other than said predetermined value is unstacked.

9. (currently amended) The method ~~Method~~ according to claim 1, wherein said program includes at least one call to a subroutine, ~~characterized in that~~ wherein said stacking step is effected before said call and said predetermined value is eliminated from said stack during execution of said subroutine.

10. (cancelled)

11. (currently amended) The method ~~Method~~ according to claim 1, wherein said programming includes at least one call to a subroutine, ~~characterized in that~~ wherein said stacking step is effected during execution of said subroutine and said predetermined value is eliminated from said stack after execution of said subroutine.

12. (cancelled)

13. (currently amended) A computer readable information ~~Information recording medium~~ with a computer program recorded thereon ~~readable by a computer system, said information recording medium and where appropriate~~ totally or partially removable, in particular a CD-ROM, or a magnetic medium, such as a hard disk or diskette, ~~or a transmissible medium such as an electrical or optical signal, characterized in that wherein it~~ includes instructions of the ~~a~~ computer program for implementing a method according to claim 1 when the computer ~~that~~ program is loaded into and executed by an electronic data processing system.

14. (currently amended) A computer readable ~~Computer program stored on an~~ information recording medium with a computer program recorded thereon, said computer program including instructions for executing a method according to claim 1 when that program is loaded into and executed by an electronic data processing system.

15. (currently amended) An electronic ~~Electronic~~ entity that has been made secure ~~characterized in that wherein it~~ includes means for implementing a method according to claim 1.

16. (currently amended) The electronic ~~Electronic~~ entity according to claim 15 ~~characterized in that wherein it is~~ a smart card.

17. (new) The electronic entity according to claim 16, wherein the anomaly processing function is adapted to destroy an operating system of said smart card.

18. (new) The method according to claim 1, wherein the anomaly processing function destroys an operating system of a smart card.